

Date: Sat, 6 Feb 93 08:38:13 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #177
To: Info-Hams

Info-Hams Digest Sat, 6 Feb 93 Volume 93 : Issue 177

Today's Topics:

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 Antenna Mounts for an Eclipse/Talon w/rear spoiler
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 Circuit modelling
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 quantization_and_dither
 Question about ICOM 751
 Real Hams: A non ham view
Shareware/Public Domain Software for Theory Test
 Was Hammarlund SP600-JX17

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 4 Feb 93 17:07:59 GMT
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net
Subject: 2 meter HT amplifiers
To: info-hams@ucsd.edu

I bought Margy a dual band HT amplifier from rf Concepts. This thing sits
in between the radio and the antenna and you just turn it on and transmit.

It handles everything automatically and comes with an optional receive preamp as well (which we have). Ours puts out about 30 watts with 5 in (it actually puts out more on 2m). It's a perfect match for Margy's FT470. I see now they have one that looks the same that puts out something like 70 watts.

-Ron

Date: Fri, 5 Feb 1993 09:53:07 GMT
From: haven.umd.edu!darwin.sura.net!rouge!jab0684@ames.arpa
Subject: Antenna Mounts for an Eclipse/Talon w/rear spoiler
To: info-hams@ucsd.edu

I am looking for an antenna mounting solution for my Eagle talon with the rear spoiler. I'd love to get some sort of clamp on trunk mount, but as I'm sure those of you who know the car are aware, the trunk area is somewhat unconventional in its design. So any of you out there who have mounted an antenna on the trunk area of one of these cars, I'd love to hear how you did it.

Thanks,
kb5udf
kb5udf@us1.edu

Date: Thu, 4 Feb 1993 18:47:05 MST
From: haven.umd.edu!darwin.sura.net!gatech!ncar!destroyer!cs.ubc.ca!alberta!nebulus!adec23!ve6mgs!usenet@ames.arpa
Subject: ARRL DXCC Desk Stats - 25 January 1993
To: info-hams@ucsd.edu

Msg #369 From: WB1HBB Date: 4-Feb 1832Z Subj: DXCC Desk Stats - 1/25

DXCC Desk Stats:

	Processed		Backlog	
	Cards	Applications	Cards	Applications
	-----	-----	-----	-----
12/11/92	14,103	152	244,372	3,336
12/20/92	14,774	183	237,226	3,252
12/28/92	9,409	119	233,751	3,209
01/08/93	4,018	71	238,846	3,241*
01/22/93	22,029	338	213,437	2,895
01/25/93	36,845	413	183,492	2,569

* Vacation period

Current in process: As of 01/24 DXCC Desk was processing work received
on Sept 15th.

Outgoing mail: Mailing out work received during the period of August 12th
to September 11th. There are 20 outstanding items on the
backlog that were received prior to that period.

This report will be cumulatively posted each week for your information.

Warren Rothberg, WB1HBB
New England Division Vice Director
A.R.R.L.

--

Jim Reisert	Internet: reisert@mast.enet.dec.com
Digital Equipment Corp.	UUCP: ...decwrl!mast.enet.dec.com!reisert
146 Main Street - ML03-6/C9	Voice: 508-493-5747
Maynard, MA 01754	FAX: 508-493-0395

Date: Fri, 5 Feb 1993 10:08:59 GMT
From: sun-barr!cs.utexas.edu!torn!newshost.uwo.ca!uwovax.uwo.ca!
37147_1234@ames.arpa
Subject: Circuit modelling
To: info-hams@ucsd.edu

I like the student edition of Microcap published by Addison Weseley
It has a much nicer user interface than some of the other spice versions.
It is available in Canada for about \$47 Canadian and I understand
that a new edition is due very soon.

73

Marv Sherebrin
ve3fhx
Dept of Medical Biophysics
U Western Ontario
London, Ont N6A 5C1

is

tsseleyut

Date: Fri, 5 Feb 1993 18:15:18 GMT
From: bcstec!spady@uunet.uu.net
Subject: CW and an understanding of radios: How do I get started?
To: info-hams@ucsd.edu

Okay, I'll admit it . . . I don't know CW . . . I also know virtually nothing about radios . . . However, I would like to earn a General license (13wpm, etc.)

You may be asking "Why?" . . . My parents both have licenses (my mother has a General and my father has an license that required CW at 5wpm . . . but I don't remember what he calls it) . . . They have been out cruising on their sailboat for almost two years and have found the ability to stay in contact with the outside world, in addition to boats that are near by, has been invaluable!

I would like to have the same ability . . . We live on our sailboat and are planning on taking off in a few years to points unknown . . . How do you know where to start learning what you need to know (specifically in the Puget Sound/Seattle area) and where to go?

We currently have a license that allows minimal use of our marine VHF. (Most of these people don't know proper use and etiquette at this level . . . Does it get any better?)

Any advice, suggestions, and/or comments directing me on how and where to get started would be greatly appreciated!

Robyn Spady
spady@bcstec.ca.boeing.com

Date: 5 Feb 1993 07:11:44 -0600
From: mvb.saic.com!unogate!news.service.uci.edu!usc!cs.utexas.edu!not-for-mail@network.UCSD.EDU
Subject: Extra Class Call Signs
To: info-hams@ucsd.edu

Howdy...

In <Charles.R.Hohenstein.1-040293212145@lafmac48.lafortune.lab.nd.edu>
Charles.R.Hohenstein.1@nd.edu (Charles R. Hohenstein) writes:

% Sorry to ask what is possibly a stupid question, but are extra call signs
% now in the same format as advanced call signs?

No problem 'tall.....

Yes. Here, Extra class callsigns (in district 5 anyway) right now are 2x2 calls like Advanced.....but Advanced call prefixes are KJ5?? and Extra class call prefixes are AB5??.

73!

T.M.K.

Internet: phantom@pro-haven.cts.com KJ5GU/AE
UUCP: crash!pro-haven!phantom Try 28.440MHz.....
For the latest breaking Aggie Jokes, Dial 1-800-AGGIE-IQ.....
".....and for the first time in twenty years in Waxahachie, Texas.....
.....it rained!" The Rocky and Bullwinkle Show

Date: 5 Feb 93 21:14:21 GMT
From: pacbell.com!att-out!cbfsb!cbnews!cbnewsm!jeffj@decwrl.dec.com
Subject: HTX-100
To: info-hams@ucsd.edu

In article <rrgd50-050293094114@222.5.80.3> rrgd50@email.sps.mot.com (Chris Terwilliger) writes:

>Now that the rat shack has dropped the closeout price on this radio
>to \$159, does anybody have any comments on it?? I am mostly interested
>in it's usefulness for satellites. I don't know a soul who has one...

I just bought a used HTX-100 for \$120 just before they dropped the price. 8-(Any way, I made up a dipole for it running across the ceiling and talked to guys all over the U.S. with it. Also heard a fair amount of DX. Nice little unit. I also am trying to work the RS-12/13 with it as the downlink. No problem at all hearing the satellite with it. In fact it comes in great! \$159.00 for the HTX-100 is in my humble opinion is a fair and decent price for one. They'll sell a lot of them at that price! 73!

Jeff

--

Jeff Jones AB6MB		Nickel Back: What you get when you ask free
jeffj@seeker.mystic.com		agents to give you a million
Infolinc BBS 415-778-5929		dollars worth of effort.

Date: 5 Feb 1993 21:15:08 GMT
From: usc!howland.reston.ans.net!spool.mu.edu!uwm.edu!caen!

saimiri.primate.wisc.edu!doug.cae.wisc.edu!umn.edu!lynx.unm.edu!
blackstone.eece.unm.edu!spankey@network.UCSD.EDU
Subject: MATCHING TUBES ****HOW ?*****
To: info-hams@ucsd.edu

I am looking for information on matching tubes for a guitar or audio amp.

I figured you radio guys were probably the smartest.

Can you match tubes like 6L6's on a tube tester?

I have access to some Transformers and load resistors, could I build an audio
amp for testing tubes under load?

What is compared when matching tubes?

I have access to about 200 Sovetec 6L6's and would like to make matched sets.

ANY INFO WOULD BE GRACIOUSLY ACCEPTED.

Date: 5 Feb 1993 08:49:41 -0500
From: elroy.jpl.nasa.gov!swrinde!gatech!news.byu.edu!news.mtholyoke.edu!
mhc.mtholyoke.edu!pryack@ames.arpa
Subject: MFJ 1278 Rom upgrade time??
To: info-hams@ucsd.edu

Chris Moore (cmoore@rose.hp.com) wrote:
> sorgatz (sorgatz@avatar.tti.com) wrote:
> : (Various complaints about the software)
>
> Yes, I've heard their software is terrible, so I didn't buy it. Do people
> who run other TNC's use software provided by those companies? I use a
> mixture of lan-link, turbolog or procomm, and some of my own software
> depending on what I'm doing. But from what I've seen the TNC seems to
> work with no problems. Anyone else have any comments?
>
> Chris Moore
> N6IYS
> cmoore@mothra.rose.hp.com

I have an old Kantronics UTU/XT, which is limited to HF packet, RTTY, and CW.
When I feed both the old Kantronics and the 1278 with the same RTTY or CW
audio, the Kantronics will decode a LOT better than the MFJ. I've pretty
much given up on using the 1278 on HF RTTY for that reason.

--

Paul R. Ryack, M.D., M.P.H. |pryack@mhc.mtholyoke.edu

|W1ETH@K1MEA.#WMA.MA.USA.NOAM

There are certain sections of |fax: (413)532-9141

New York, Major, that I wouldn't|

advise you to try and invade. |

Date: 3 Feb 93 17:18:01 EST

From: overload.lbl.gov!agate!usenet.ins.cwru.edu!gatech!emory!

sol.ctr.columbia.edu!caen!destroyer!cs.ubc.ca!utcsri!newsflash.concordia.ca!

nstn.ns.ca!psinntp!psinntp!arrl.org@@dog.ee.lbl.gov

Subject: More on No-Code -- Will this never cease?

To: info-hams@ucsd.edu

In rec.radio.amateur.misc, gary@ke4zv.uucp (Gary Coffman) writes:

>In article <1101@arrl.org> ehare@arrl.org (Ed Hare - KA1CV) writes:

>>for the phone privileges given to the Extra. I think the license

>>structure would make more sense if the additional CW requirement

>>were for additional CW privileges only. Of course, I can say

>Well I agree with this part of your statement. I'm not so sure that

>international requirements for Morse proficiency, and I do agree

>that it takes mastering higher speeds than 5 WPM to be proficient,

>are relevant to all HF operators.

The international requirements for knowledge of Morse are certainly

NOT relevant to ALL HF operators. I just wanted to point out the

possibility that they exist because in some countries they

are more relevant than they are to hams in the US.

>I suspect that many never pick up the key again after passing the test.

Yep. We have a few here. :-).

>With the dropping of Morse by the Coast Guard in compliance with

>international maritime regulations, we've seen the passing of the last

>vestige of Morse everywhere but in ham licensing.

It is still used in the Aeronautical services for RDF beacons, and

I believe the military is still very much in favor of keeping

Morse alive and well. Its use is clearly on the downswing, though.

It is really a matter of pure speculation as to whether the fact

that it is the best weak-signal "digital" mode that is decoded by

ear will keep it alive at some lower level of importance than it

occupies now.

>I think it's only a matter of time, probably the next
>competent WARC, before the HF code requirement is dropped for amateurs.

I am not so sure. Perhaps some of the reasons I have cited in my
previous post will cause administrations to want to keep it around
for at least a few more WARC cycles. Sounds like it would
make an interesting cup-of-coffee wager. :-).

73 from ARRL HQ, Ed -- KA1CV

Ed Hare, KA1CV
American Radio Relay League
225 Main St.
Newington, CT 06111
(203) 666-1541 - voice
ARRL Laboratory Supervisor
RFI, xmtr and rcvr testing

ehare@arrl.org

You will never put the puzzle together
if you keep putting all the pieces
back in the box.

Date: Fri, 5 Feb 1993 12:00:52 GMT
From: haven.umd.edu!darwin.sura.net!mlb.semi.harris.com!SU19F!jhobson@ames.arpa
Subject: No Code Proposition
To: info-hams@ucsd.edu

In article <1993Feb5.002546.355@sfu.ca> richard@sfu.ca writes:

>In article <C1xxA1.KAp@boi.hp.com> swalton@mail.boi.hp.com (Sean_Walton;
>85U524; x3821) writes:

>> not require so much of a bandwidth). Finally, look at CW, the are
>> QRPs that transmit around the world with 599! That is intriguing!
>> And the only bandwidth it requires is the carrier on which you are
>> transmitting!

>

>Ooops! Better go back and look at some of those EE books again! (:-) While
>CW does not consume as large a bandwidth as SSB voice, it is more than
>just a carrier wave - *any* modulation requires bandwidth, including just
>switching the carrier on and off, and all the more so if the switching is
>done quickly or noisily

>

Ooops! As I understand it, code speed does not determine bandwidth, but
the shape of the signal, i.e., how rapidly the carrier goes from off to
full power. The steeper the slope, the higher the bandwidth. At slow
CW speeds the transition from off to on *could* be made slower, so indirectly

the code speed effects bandwidth.

Harv
WB4NPL

Date: Fri, 5 Feb 1993 12:44:59 GMT
From: overload.lbl.gov!agate!usenet.ins.cwru.edu!howland.reston.ans.net!
sol.ctr.columbia.edu!ira.uka.de!math.fu-berlin.de!mailgzrz.TU-Berlin.DE!
news.netmbx.de!Germany.EU.net!@dog.ee.lbl.gov
Subject: quantization_and_dither
To: info-hams@ucsd.edu

In article <1993Feb4.204552.4345@aplcn.apl.jhu.edu> shif@aplpy.jhuapl.edu (Gary D. Shiflett) writes:

>
>I'm currently testing state-of-the-art flash analog-to-digital converters
>for their possible use in digital receivers. One aspect of the testing
>involves investigation of the dithering amplitude needed for "optimum"
>receiver performance
>
>Gary Shiflett
>Applied Physics Laboratory
>Johns Hopkins University
>gary_shiflett@jhuapl.edu
>

Hi Gary,

You might want to look up the following paper:

R. Manella and P.V.E McClintock, "Noise in nonlinear dynamical systems"
Contemporary Physics, 1990, Vol.31, Nr.3, pages 179-194

It may answer your question. There are plenty of references too.

Best regards,
Jeroen Belleman
jeroen@dxcern.cern.ch

Date: 6 Feb 93 05:33:04 GMT
From: ogicse!sequent!muncher.sequent.com!dale@network.UCSD.EDU
Subject: Question about ICOM 751
To: info-hams@ucsd.edu

I have a friend that is shopping for a used HF rig. He now has a Collins and wants to upgrade to a solid state rig (I'm sure he will keep the Collins, however).

He came across an ICOM 751 (not the 751A) and was wondering what a good price is. It comes with the ICOM power supply, a microphone, and a CW filter. The price for the package is \$1035. How is this for a price?

If you own one of these radios please let me know how you like it. Any special likes or dislikes?

73, Dale.

```
dale@sequent.com          OR      uunet!sequent!dale
Dale Mosby   503-578-9842  N7PEX  // Sequent Computer Systems, Inc.
15450 SW Koll Parkway      // Beaverton, Or.  97006-6063
```

--

```
dale@sequent.com          OR      uunet!sequent!dale
Dale Mosby   503-578-9842  N7PEX  // Sequent Computer Systems, Inc.
15450 SW Koll Parkway      // Beaverton, Or.  97006-6063
```

Date: 6 Feb 93 01:17:09 GMT
From: Cadence.COM!jdm@uunet.uu.net
Subject: Real Hams: A non ham view
To: info-hams@ucsd.edu

In article <1993Jan31.235455.26589@progress.com> damelio@progress.COM (Stephen D'Amelio) writes:

>
>I have been involved in business radio in one form or
>another for twenty years. I started by dispatching
>for local police and fire agencies and now sell
>equipment on the side. I have always considered HAM
>radio, but never seemed to have the time.

[deleted stuff was here]

> After listening to various bands and reading the,
>err... , comments, posted in rec.radio., I have
>decided to go with a private business band radio
>licence.
> I really thought the HAM community was more

>intelligent, kind of a step above the rest. If
>I were you I would not WANT to be labeled a "Real Ham".
>I thought CB was bad. You can't even get along
>among YOURSELVES! All I can say is keep it up.
>The more you fellows do battle, the more likely
>these frequencies will be re-allocated to the
>business bands. We would LOVE to have them.
> I can hardly wait for you people to begin
>picking this article apart.
>
>Steve D'Amelio
>No code, No Ham, No way!
>

Steve,

I hope you might reconsider. While "to become a ham" is certainly not a decision of monumental importance to your future, the vocal minority of this computerized messaging system may not have provided adequate data for you to make the decision whether to join us. There are many good people involved in Ham radio. My experience has been the community of hams is replete with helpful, pleasant people--much more so than jerks.

The problem with groups like this are many. But there are two to consider:

This is a forum for considering problems with our hobby as well as to explore technical subjects. You are likely to be exposed to more dirty laundry and the argumentative side of people by reading this than by being active in ham radio.

Second, ham radio is by nature a one-to-many environment. One bad apple with a linear can literally ruin the enjoyment of the global community. You can work the world on five watts. Fifteen hundred watts can make you the dominant dog on the block. If you've got a personal problem you'd like to share with someone in Bhutan, 1500 watts is more than enough power to do it. In fact, 1500 watts on the right day will assure the entire ham-listening population of the globe can share in your problems. Given the physics of the situation, it's a credit to the majority of respectful hams in the world that amateur radio is usable at all.

Ham radio is populated by a cross-section of society. The average ham is a well-meaning person who is interested in enjoying radio technology and meeting other people. Most hams don't whine and curse on the air. But due to the one-to-many relationship of transmission to reception, the foul-mouthed hams seem to be predominant.

Don't discount ham radio because you've seen we have a few jerks here. I'm sure you know a few cops who are jerks, a few EMTs who are jerks, and a few 7-11 store clerks who are idiots. We have them too; it's a fact of life.

Ham radio is an incredibly fun hobby of global proportion. It's potential value to the community of humans on planet earth is very high. It has saved lives and brought happiness to millions.

Ham radio is a valuable, worthwhile pursuit. A few idiots cannot change that.

73 (Best wishes)

Joe

--

Joe Mastroianni	AKA: AA6YD AA6YD @ N6LDL.#NOCAL.CA.USA.NA
Cadence Design Systems	Compuserve: 74017,310 Genie: JOE-M
Santa Clara Ca.	"Up the airy mountain;down the rushy glen; we
jdm@cadence.com	daren't go a hunting; for fear of little men "

Date: 5 Feb 93 21:36:24 GMT
From: ogicse!emory!gatech!rpi!rs6416.ecs.rpi.edu!maessm@network.UCSD.EDU
Subject: Shareware/Public Domain Software for Theory Test
To: info-hams@ucsd.edu

In article <C1xztr.2uA@news.cso.uiuc.edu>, btbg1194@uxa.cso.uiuc.edu (Bradley T Banko) writes:

|> I used something called "AUTOEXAM" last fall to generate sample exams for
|> a class. It was based on the ARRL manuals and so used figure references
|> to them (only generated text exams). It works well. I think I found it
|> on Simtel (wuarchive)... try "archie -c autoexam" if you have that.
|> The program is for PC's.

The name of the file you want to look for is AUTOEXAM.ZIP.
Archie should give you a source for it.

--

Mat Maessen N2NJZ | maessm@rpi.edu

----- +-----
The opinions expressed in this message definitely do NOT reflect the
views of RPI, Roland Schmitt, or BAPP

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Date: Fri, 5 Feb 1993 11:32:15 GMT
From: haven.umd.edu!darwin.sura.net!mlb.semi.harris.com!news@ames.arpa
Subject: Was Hammarlund SP600-JX17
To: info-hams@ucsd.edu

I just wanted to post a thanks to all who responded to my post concerning
a Hammarlund SP600-JX17. For everyone's info, the consensus was "not worth
\$400" .

Thanks,
Ray

Date: 4 Feb 93 18:34:41 GMT
From: sun-barr!olivea!mintaka.lcs.mit.edu!micro-heart-of-gold.mit.edu!
xn.ll.mit.edu!ll.mit.edu!tcs@ames.arpa
To: info-hams@ucsd.edu

References <C1txLI.ErH@boi.hp.com>, <1993Feb04.014910.6790@mixcom.com>,
<ln2h29INNram@news.bbn.com>xn.ll.mi
Reply-To : tcs@ll.mit.edu (Tom Sefranek)
Subject : Re: No Code Proposition

In article <ln2h29INNram@news.bbn.com>, levin@bbn.com (Joel B Levin) writes:
|> It won't filter out the "CB low life" who happen to be electrical
|> engineers or who have no trouble learning it.

^^^^^^

Ahhhh! The secret is OUT!!! EE's have always leered at ...
Now Joel has let the cat out of the bag. :-)

|>

|> /J

|> =

```
|> Nets: levin@bbn.com | "How does a mouse let me move the cursor anywhere
|> pots: (617)873-3463 | I want?" "What are address busses?" "How do
|> N1MNF | icons work?" --Time-Life Books
```

--

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/ - / - / - / - / | Informal Class Sunday's @ 13:00 EST,
/ - / - / - / - / / - - / - - / followed by a N&T VE Session @ 15:00,
| x | @ Navy Barracks @ Fort Devens, Ma.
/ - - / - - / x / - - / - - / Second & Fourth Mondays of the month.
x . --x-- x @ Lura A. White School Shirley, Ma.
-x | x x E-Mail or call 617-981-3474 (Work)
x | _x x Call in: 145.41, 145.45, 448.625 Mhz.
x _ _ _ _ _ | _ _ _ _ _ || x x Ham Radio (Elmer) Night @ 19:00 EST
/ / || x \ / \ First, Third, (Fifth) Mondays.
/ - - - - - / || x \ / _ _ _ _ _ \ Thomas C. J. Sefranek WA1RHP
| [ ] [ ] ## [ ] | || x | || | | || 112 Great Road Shirley, Ma. 01464
| ## | || x | || | | || Home Phone: 508-425-6672

```

End of Info-Hams Digest V93 #177
